



Housing Market 101

By Bhupesh Kumar



Assumption

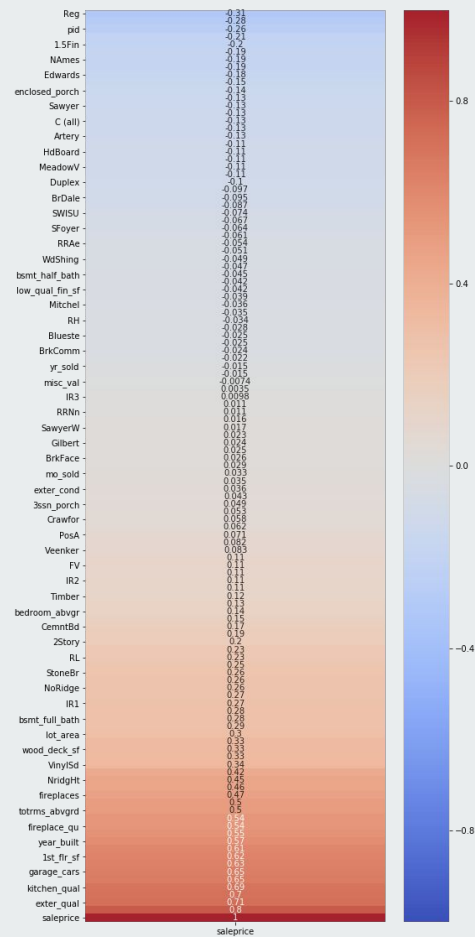
- Location Location Location
- Number of Bedroom
- Size of the house
- Number of Bathroom in the house
- Neighborhood
- Year built
- Year remodeled



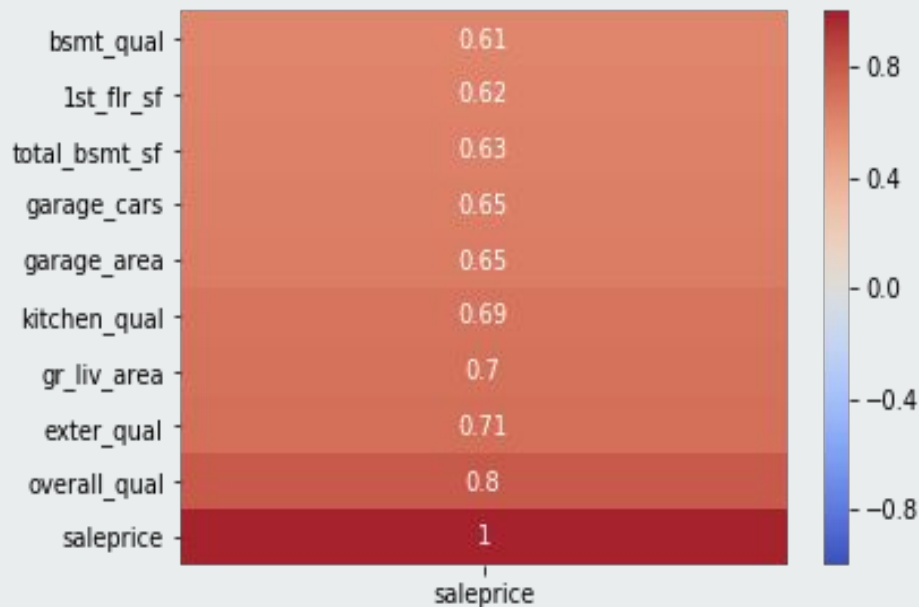
AMES Housing data

Data Description :

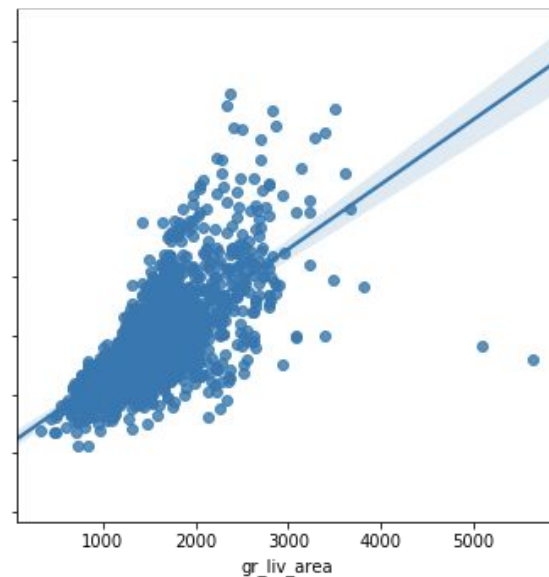
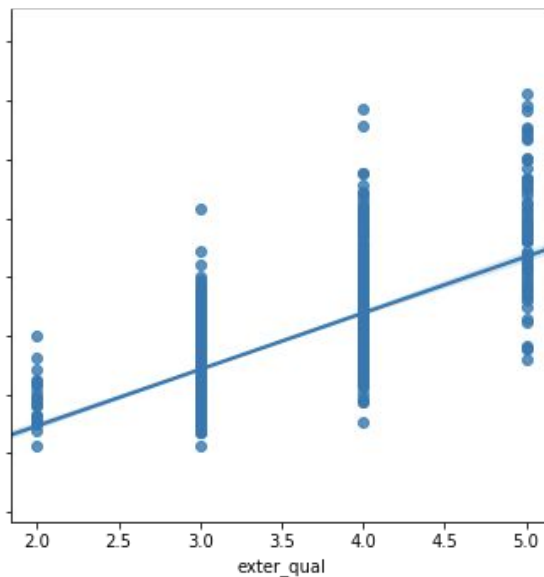
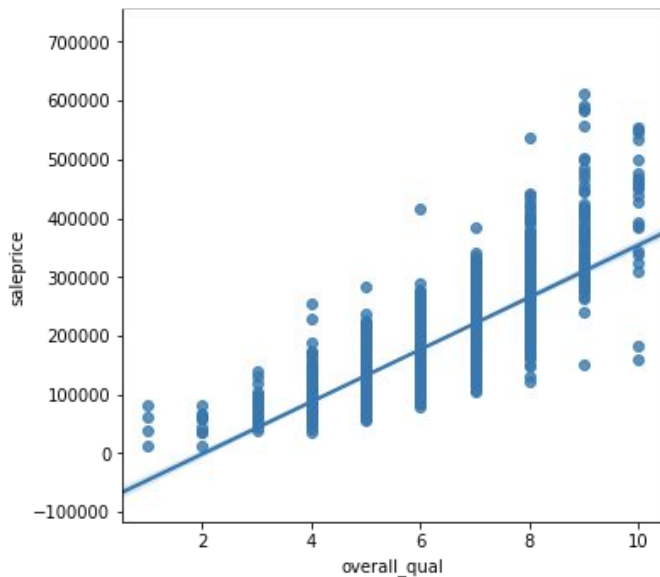
- Ames , IA
- Data Collection from 2006 -2010
- 2051 Rows and 82 Columns of data ~ over 150,00 data entries
- Mix of data types : Nominal, Ordinal, Discrete and continuous

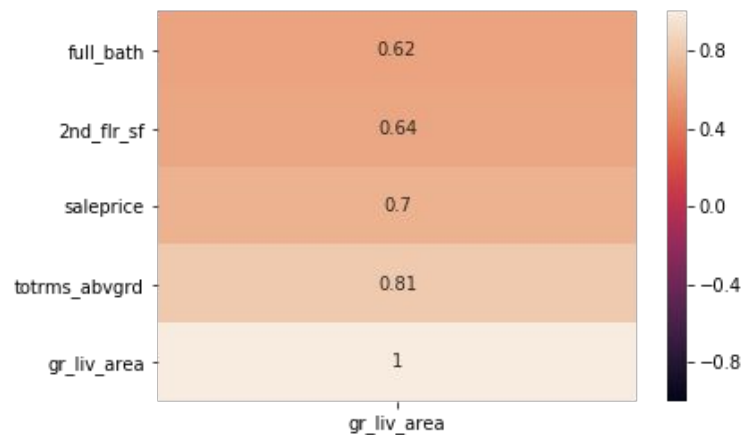
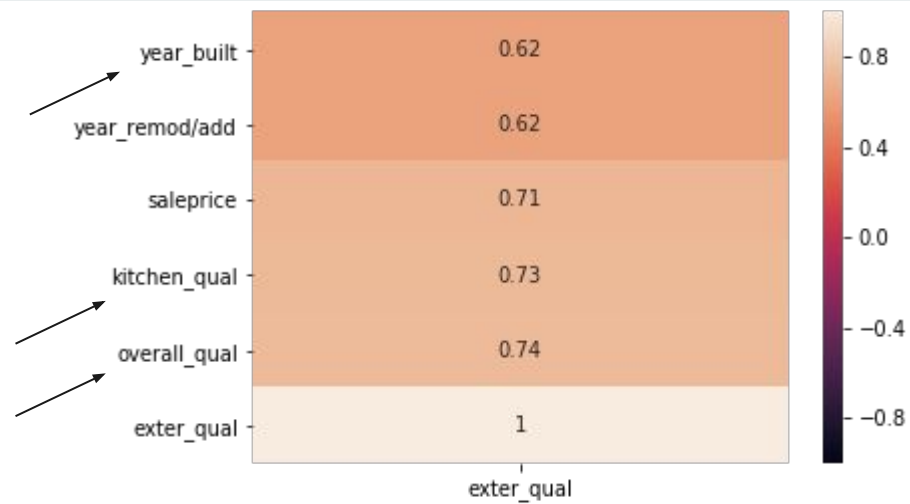
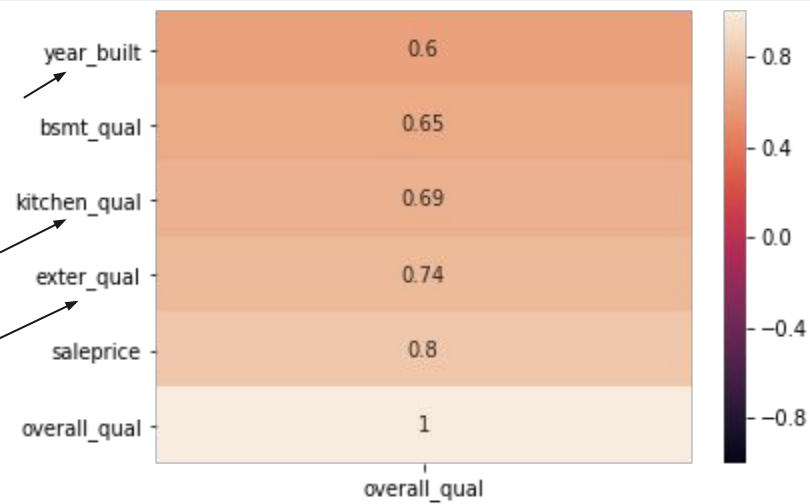


Heat Map showing the Correlation of all columns against Sale Price



Strong Features correlate to Sale Price



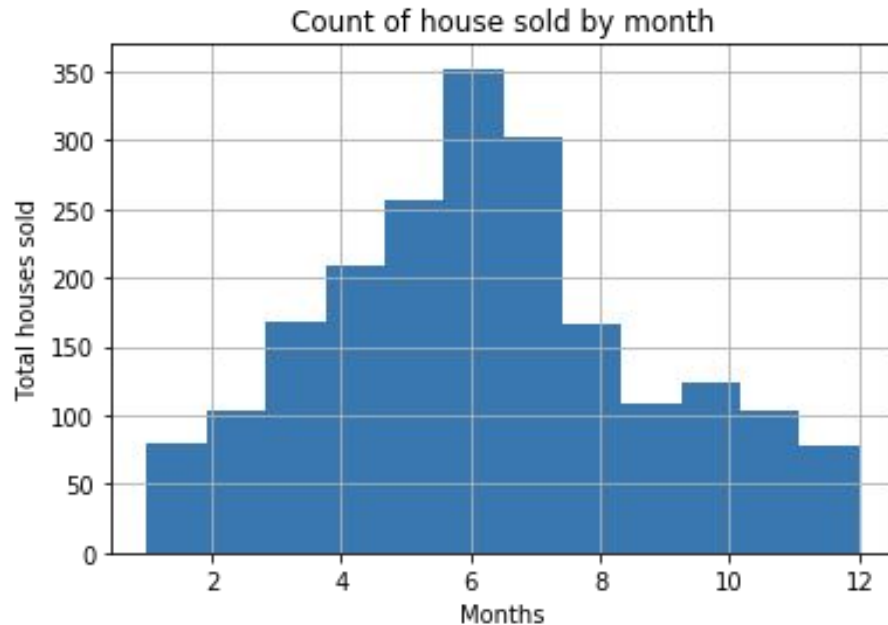


Conclusion



Using LassoCV Model, I was able to get R2 score of 88 %.

Food for thought



54% of houses are sold between months of April, May, June, and July

April - 208

May - 257

June - 352

July - 303



Thank you !!